

AMENDMENTS TO THE SPECIFICATION:

Amendment to the Specification:

Please replace the title of the Application with the following amended title:

~~Boost converter~~ A Boost Converter Circuit Having Selectable Modes

Please replace the Abstract with Abstract the following amended Abstract. A replacement Abstract is attached hereto as Attachment 1. The replacement Abstract is provided on a separate page.

ABSTRACT

The present invention relates to a boost converter (100) which can operate both in a capacitive and in an inductive mode. In the capacitive mode the converter operates as a charge pump circuit by making use of a set of switches (S1,S2,S3,S4) and a set of capacitors (110,112). In the inductive mode the converter operates as a boost circuit and uses a sub-set of the switches (S2,S4) and an inductor. The mode is selected by means of a selection terminal (Vin) which ~~that~~ is also used in the capacitive mode for coupling of a battery (108) to the boost converter (100).